

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 10/25/2019 09:42 AM
Cytometer Baseline: 10/08/2019 01:46 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124987	-1	2.76	125018	2.70
Blue	F	SSC	125000	124021	-1	1.61	124861	1.58
Blue	E	FITC	16433	15991	-3	2.72	348	19.34
Blue	D	PE	27595	27174	-2	1.88	592	14.41
Blue	B	PerCP-Cy5-5	43183	42948	-1	3.57	1156	19.99
Blue	A	PE-Cy7	31943	32151	0	6.04	614	40.53
Red	C	APC	42819	42243	-2	2.39	1492	12.18
Red	A	APC-Cy7	31261	29945	-5	2.30	800	12.02
Violet	B	V450	6527	6314	-4	4.39	354	13.21
Violet	A	V500	24533	23579	-4	4.13	548	10.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18022	15.84	611	11	N/A	N/A	Pass
Blue	F	SSC	56445	1.17	552	4	N/A	N/A	Pass
Blue	E	FITC	63	63.54	539	0	0.0224	163	Pass
Blue	D	PE	124	48.82	536	2	0.1734	279	Pass
Blue	B	PerCP-Cy5-5	211	48.71	648	6	0.0093	43	Pass
Blue	A	PE-Cy7	113	98.84	696	7	0.0109	9	Pass
Red	C	APC	355	25.54	581	-2	0.0242	161	Pass
Red	A	APC-Cy7	177	28.05	559	-4	0.0053	604	Pass
Violet	B	V450	53	61.54	450	-5	0.0550	2393	Pass
Violet	A	V500	82	34.78	461	-6	0.0220	839	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.94	-31.72	1.02
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.69	13.60 - 20.40	N/A	N/A	29.52	29.82	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10302

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments